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SECURITY INFORMATION

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INFORMATION REPORT

REPORT

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1. The expansion of the plant proceeded throughout the first half of 1952. The foundations for the new machine halls are practically complete. The halls will be a single story and largely roofed with glass. It is not known whether the plants power station will be rebuilt or not, but it is somewhat doubtful, since there has been a recent reduction in the available funds.
2. The total production figures have shown a percentage fulfillment of 104% of the planned target, although the production of steam turbines of all types was only 91% of the target. There has been a continuous lack of turbine blades, forged parts, and steel tubes, especially ribbed steel tubes. Steel also is short and, since 19 June 1952 its distribution has been governed by stringent regulations.
3. Gas turbines for Objekt Laughhammer:
 - a) It is planned that these shall be completed some time in 1953. The present plan appears to favor producing six complete turbine and compressor sets. The turbines are designed to run on coke oven gas, described as low in calorific content (Brennstoffarm), which will be compressed to a combustion chamber pressure of 26 atmospheres by multistage radial compressors, driven by auxiliary turbines. It is stated that the gas used will have a calorific value of 1050 K. Cal. per cubic meter at N.T.P. and a density of 1.265 Kg. per cubic meter. The temperature at which it enters the combustion chambers will be 250°.
 - b) The whole assembly is designed to produce 4,912 hp with a gas consumption of 13,480 cubic meters of gas per hour. The whole project is referred to as the "Waldmann Project" and is estimated eventually to cost 2,400,000 -DM.

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4. Planned production for 1953:

- a) The plan for 1953 as developed so far allows for a considerable increase in production. The actual figures envisaged, compared with 1952 are as follows:

	<u>1952</u>	<u>1953</u>	<u>% increase</u>
Turbines up to 50 Kw.	152	440	290 %
Turbines between 50 and 175 Kw.	38	70	185 %
Turbines between 175 and 500 Kw.	26	50	193 %
Turbines above 500 Kw.	19	30	158 %

The total production of steam turbines, therefore, will be 590 of all types as against 235 of all types for 1952. No increase in the production of compressed air turbines is envisaged, and apparently no exhaust gas turbines will be built. The production of axial blowers will fall to 64% of the 1952 production total.

- b) Orders so far planned for 1953 include two steam turbines of 5000 Kw capacity for Hydrierwerk Rodleben, and Zellstoffwerk Merseburg and 8 turbines of 3200 Kw capacity for various other factories.

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1. Comment: The technical information in paragraph 3a was derived from effort to memorize and may, therefore, not be completely accurate.

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